

**Monthly Divisional Report**  
*New Jersey State Highway Department*  
October 1960

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## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Accounting and Administrative Services

Bureau: Administration

CONTRACTS

Bids received on nine (9) projects and necessary reports and certificates of award prepared. Eight (8) contracts awarded; contracts prepared and forwarded for execution. Execution of six (6) contracts completed. Six (6) projects advertised for bids. One hundred thirty-seven (137) sets of plans and supplementary specifications distributed.

SCHEDULES OF APPROVALS

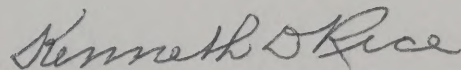
Four (4) Schedules prepared listing a total of three hundred fourteen (314) items; which by a combination of items where possible represents action on four hundred twenty-one (421) individual items. Official copies of Schedules signed by the Commissioner, placed in Minute Book and indexed. Schedules of Approvals distributed in accordance with regulations and necessary letters concerning official actions written.

GENERAL

- 21 Standard Specifications issued
- 4 Deposits made for transmittal of income
- 10 Traffic Regulations certified to Division of Motor Vehicles
- 151 Property Agreements attested and processed
- 12 Agreements attested and processed
- 56 Municipal Aid contracts, applications, agreements, transfers, etc. certified
- 10 General Releases executed
  - 3 Deeds of Conveyance acknowledged and processed
  - 5 Utility Orders attested and processed
  - 4 Lease Agreements executed
  - 8 Equipment Rental Agreements executed
  - 3 Motor Vehicle License Forms executed
  - 4 Highway Lighting Agreements executed
- 31 Snow Removal Equipment Rent Agreements (1960-61) executed
- 70 Snow Removal Agreements (1960-61) executed

General correspondence, filing and answering telephone inquiries.

Receiving and reading bids at four lettings.



Kenneth D. Rice  
Secretary

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Month of October

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*Kenneth D. Rice*  
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 Secretary

**MONTHLY DIVISIONAL REPORT**

Month of October

1960

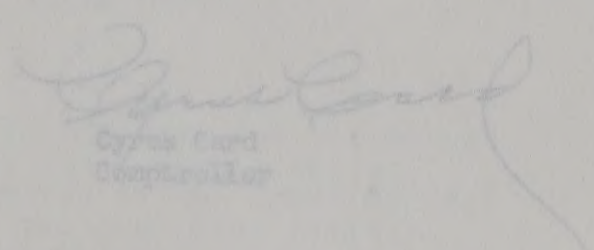
Division: Accounting & Administrative Services

Bureau: Auditing & Accounting

Approximately 3128 invoices were passed for payment for materials, supplies, estimates to contractors, right of way invoices and utility bills.

Warrants were drawn for 36 County and Municipal Aid payments amounting to \$361,734.04. Funds were certified on Contracts, Price Agreements, Transfer Forms, etc.

Budget Request hearings were conducted and preparation of budget is still in process.

  
Cyrus Card  
Comptroller





## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Accounting &amp; Administrative Services

Bureau: Office of the Comptroller

The activities of the Division of Accounting and Administrative Services, during the month of October, were of a routine nature. (Details of Bureau activity attached.)

A meeting was held with the Department of Treasury, Div. of Purchase and Property, anent the disposal of scrap. Final determination of authority to dispose, etc., is still pending.

1961-1962 Budget Request hearings were conducted and preparation of budget in official form is still in process.

FILES AND RECORDS

Work has been about 50% completed on the State Division files stored in bundles in the State Division. All material authorized for destruction by the State Records Committee is culled and destroyed. The remaining material that must be saved is boxed and indexed and filed on shelves for low cost storage.

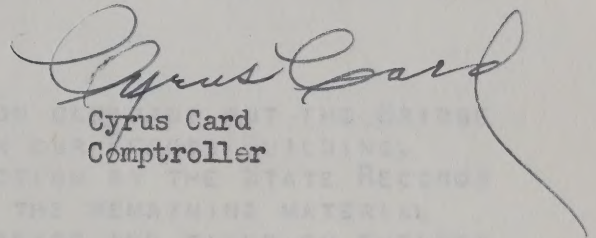
Clearing out the files in the Central Files Section is about 90% complete for the year. All material on the approved schedule being destroyed and thus providing space for material that will be cleared from other Bureau and Division files after the first of the year.

MAIL ROOM

The month of October was a busy month with many rolls of blue prints mailed out and 10,000 "throw-aways" folded for the Bureau of Public Relations, which same Bureau keeps us especially busy sending out news-releases in addition to our regular routine work. We are still receiving and sending out map requests, though they have diminished somewhat.

Our postage charge amounted to over \$3555.00; \$100.00 of which was used on 10,000 envelopes for the Equipment Bureau.

SECT.  
2.08  
Growing mail, especially letters, gets heavier but due to the fact that our mail clerks having been with us for several years are well trained and take care of the work quickly and efficiently.

  
Cyrus Card  
Comptroller







## MONTHLY DIVISIONAL REPORT

Month of OCTOBER 1960

Division: ACCOUNTING AND ADMINISTRATIVE SERVICES

Bureau: OFFICE SERVICES

OFFICE SERVICES

INVESTIGATED OFFICE EQUIPMENT AVAILABLE AT THE STATE HOUSE. THIS CONSISTED OF TWO (2) DESKS AND TWO (2) CHAIRS. THIS FURNITURE WAS OBSOLETE AND WAS REFUSED. ALSO INVESTIGATED FURNITURE, DESKS AND TABLES AVAILABLE AT MOTOR VEHICLE, NORTH MONTGOMERY STREET. THIS FURNITURE WAS ALSO OBSOLETE AND WAS REFUSED.

VISITED METUCHEN OFFICE; SURVEYED NEED FOR VARIOUS EQUIPMENT AND OFFICE FURNITURE REQUESTED IN 61-62 BUDGET. ON OCTOBER 18TH VISITED HADDONFIELD OFFICE; INVESTIGATED VARIOUS MATTERS AND OFFICE FURNITURE NEEDED.

I WISH TO REPORT THAT THE BASEMENT ROOM, WHICH IS TO BE USED FOR MODELS AND CONFERENCES, HAS NOW BEEN COMPLETED. THIS CONSISTED OF PAINTING, DUCT WORK AND NEW TILE FLOORING.

WORK HAS BEEN STARTED ON THE VARIOUS OFFICES ON THE SECOND FLOOR IN THE AUDITING AND ACCOUNTING DIVISION AND THE MAINTENANCE BUREAU WHERE PARTITIONS ARE TO BE MOVED.

FILES AND RECORDS

WORK HAS BEEN ABOUT 50% COMPLETED ON CLEARING OUT THE BRIDGE DIVISION FILES STORED IN BUNDLES IN OUR RECORD BUILDING. ALL MATERIAL AUTHORIZED FOR DESTRUCTION BY THE STATE RECORDS COMMITTEE IS CULLED AND DESTROYED, THE REMAINING MATERIAL THAT MUST BE SAVED IS BOXED AND INDEXED AND FILED ON SHELVES FOR LOW COST STORAGE.

CLEARING OUT THE FILES IN THE CENTRAL FILES SECTION IS ABOUT 90% COMPLETE FOR THE YEAR. ALL MATERIAL ON THE APPROVED SCHEDULE BEING DESTROYED AND THUS PROVIDING SPACE FOR MATERIAL THAT WILL BE CLEARED FROM OTHER BUREAU AND DIVISION FILES AFTER THE FIRST OF THE YEAR.

MAIL ROOM

THE MONTH OF OCTOBER WAS A BUSY MONTH WITH MANY ROLLS OF BLUE PRINTS MAILED OUT AND 10,000 "THROW-AWAYS" FOLDED FOR THE BUREAU OF PUBLIC RELATIONS, WHICH SAME BUREAU KEEPS US ESPECIALLY BUSY SENDING OUT NEWS-RELEASES IN ADDITION TO OUR REGULAR ROUTINE WORK. WE ARE STILL RECEIVING AND SENDING OUT MAP REQUESTS, THOUGH THEY HAVE DIMINISHED SOMEWHAT.

OUR POSTAGE CHARGE AMOUNTED TO OVER \$3555.00; \$400.00 OF WHICH WAS USED ON 10,000 ENVELOPES FOR THE EQUIPMENT BUREAU.

INCOMING MAIL, ESPECIALLY LETTERS, GETS HEAVIER BUT DUE TO THE FACT THAT OUR MAIL CLERKS HAVING BEEN WITH US FOR SEVERAL YEARS ARE WELL TRAINED AND TAKE CARE OF THE WORK QUICKLY AND EFFICIENTLY.





**MONTHLY DIVISIONAL REPORT**

Month of OCTOBER

1960

**Division:** ACCOUNTING AND ADMINISTRATIVE SERVICES

**Bureau:** OFFICE SERVICES

DUPLICATING SECTION

ALL PHASES OF OUR REPRODUCTION ACTIVITIES ARE PROGRESSING SATISFACTORILY. SEVERAL REQUESTS FOR NEW FORMS AND REVISIONS HAVE BEEN PROCESSED AND THE FINISHED PLATES MADE READY FOR PRINTING. THE COMPOSING OF FORMS, ETC., IS PROGRESSING STEADILY. WE HAVE BEEN KEPT QUITE BUSY DURING THE LAST MONTH.





## MONTHLY DIVISIONAL REPORT

Month of October

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Division: Accounting and Administrative Services

Bureau: Purchase and Stores

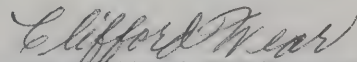
During the month of October, 1960, the Purchase and Stores Bureau received a great many Order Requests from the Bureaus, Divisions, processed Detailed Applications, and forwarded them to the Division of Purchase and Property. These applications covered a considerable quantity of material and equipment to be procured for the Highway Department.

Orders were received covering the calcium chloride and rock salt requirements of the Maintenance Bureau for the coming winter season. An excess for 10,000 gallons of white traffic paint was approved by the Division of Purchase and Property and returned to this department.

A meeting was attended on October 17th by the Comptroller of this department, together with the writer, regarding the disposition of scrap material. This meeting was held in the Treasurer's office, and the Treasurer or Director of Purchase and Property was to write State Highway Commissioner Palmer regarding the outcome of the meeting.

Disposed of miscellaneous scrap steel, cast iron, and aluminum, which was stored in a garage building located in Pennsauken, New Jersey.

Interviewed thirty (30) salesmen representing various manufacturers and distributors during the month, and attended ten (10) meetings having to do with departmental matters and purchases.



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Supervisor, Purchase and Stores

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## MONTHLY DIVISIONAL REPORT

Month of October 1960

Division: Bridge  
 Bureau: Bridges Under Construction

Sheet #1 of 2

	<u>% OF COMPLETION</u>
<u>Rt. US1:</u>	
<u>Sec. 6A</u> U. P. at Milltown Road, New Brunswick Twp., Middlesex Co.	98
<u>Rt. US1&amp;9:</u>	
<u>Sec. 1&amp;2</u> Ramp Revisions, Pulaski Skyway, Jersey City, Hudson Co.	94
<u>Rt. 3:</u>	
<u>Sec. 4A</u> Lincoln Tunnel Approach Viaduct Repairs, Roadway Expansion Joints, North Bergen Township, Hudson County	100
<u>Rt. 10:</u>	
<u>Sec. 4B&amp;5A</u> Canoe Brook Bridge & Retaining Wall, Livingston Twp., Essex Co.	0
<u>Rt. 20:</u>	
<u>Sec. 4A</u> Underpass at Ramp B, Paterson, Passaic County	88
<u>Rt. 21:</u>	
<u>Sec. 1C</u> 14 Structures, Nutley & Clifton, Essex-Passaic Counties	74
Rt. US22, Sec. 13A	
4, Sec. 2A	
<u>US46, Sec. 15A</u>	
4 Pedestrian Overpasses, 2 Stairs, Boros of Mountainside, Paramus, Hasbrouck Heights, Union-Bergen Counties	95
<u>Rt. 28:</u>	
<u>Sec. 1A&amp;7A</u> LVRR Bridge at Westfield Ave., Roselle Park, Union Co.	35
<u>Rt. US30:</u>	
<u>Sec. 14A</u> 2 Pedestrian Overpasses at 16th St. & Rodman Ave., Camden & Pennsauken Townships, Camden County	96
<u>Rt. 35:</u>	
<u>Sec. 6A&amp;4A</u> Culvert Ext. at Sta. 489+08, Eatontown, Monmouth County	95
<u>Sec. 12B</u> LVRR Bridges (Main & Spur Lines) Perth Amboy City and Woodbridge Twp., Middlesex County	99
<u>Rt. US40:</u>	
<u>Sec. 2A</u> Game Creek Bridge, Upper Penns Neck Twp., Salem County	0
<u>Rt. 78:</u>	
<u>Sec. 2E</u> 5 Structures, Bloomsbury, Bethlehem & Union Twp., Hunterdon Co.	99
<u>Sec. 2F</u> 2 O.P. at CRR & LVRR, Bloomsbury & Bethlehem Twp., Hunterdon Co.	99
<u>Rt. 80:</u>	
<u>Sec. 2E</u> 10 Bridges, Netcong & Roxbury, Morris County	93
<u>Sec. 2J</u> 4 Structures, Denville Twp., Morris County	0
<u>Sec. 4A</u> Bridge over Rt. 20, Passaic River & Slaughterdam Road, Paterson & East Paterson, Passaic-Bergen Counties	99

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## MONTHLY DIVISIONAL REPORT

Month of October, 1960

Division: Bridge

Bureau: Bridges Under Construction

Sheet #2 of 2

% OF COMPLETIONRt. 82:

<u>Sec. 1A</u>	LVRB Bridge at Morris Ave., Union Twp., Union County	99
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Rt. 95:

<u>Sec. 1D</u>	2 Overpasses at Broad Ave. & Grand Ave. and Flat Rock Brook Culvert & Flume, Englewood City & Leonia Twp., Bergen Co.	22
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Rts. 129 & 29:

<u>Sec. 1A &amp; 15A</u>	8 Structures, Ewing & Hopewell Townships, Mercer County	92
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Rt. US130: Three Bridges, Pennsauken & Cinnaminson Twp.,

<u>Sec. 7A &amp; 8B</u>	Camden & Burlington Counties	78
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Rt. 169:

<u>Sec. 1</u>	Three Bridges, Bayonne & Jersey City, Hudson County	93
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Rt. 202:

<u>Sec. 8A</u>	Six Bridges, Raritan, Readington & Branchburg Twp., Hunterdon-Somerset Counties	30
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Rt. 208:

<u>2A, 1A &amp; 3B</u>	4 U.P., 1 Culvert, Franklin & Hawthorn Boros, Wyckoff Twp., Bergen-Passaic Counties	98
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<u>Sec. 3A</u>	Pedestrian Overpass at Ethel Ave., Boros of Hawthorne, Glen Rock & Fairlawn, Passaic-Bergen Counties	100
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Rt. 287:

<u>Sec. 1B</u>	9 Bridges, Bridgewater Twp., Somerset County	91
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<u>Sec. 1C &amp; 2B</u>	7 Bridges, Franklin & Piscataway Twp., Somerset-Middlesex Co.	98
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<u>Sec. 2C</u>	6 Structures, Piscataway Twp., S. Plainfield Boro, Middlesex Co.	0
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Rt. 295:

<u>Sec. 1C</u>	9 Structures, Deptford & Westville, Camden-Gloucester Cos.	94
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<u>Sec. 1D</u>	4 Structures, Westville Boro, Camden-Gloucester Counties	96
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Rt. US322:

<u>Sec. 3A</u>	3 Bridges, Folsom Boro & Hamilton Twp., Atlantic County	12
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Redecking 4 Bridges:

<u>Rt. 36, Sec. 3A</u>	Shrewsbury River Br., Highland Boro, Monmouth Co.	20
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<u>Rt. 47, Sec. 8A &amp; 9A</u>	Manantico Creek Br., Millville, Cumberland Co.	0
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<u>Rt. 49, Sec. 3A &amp; 4A</u>	Alloways Creek Br., Quinton Twp., Salem Co.	0
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<u>Rt. 130, Sec. 1A &amp; 6A</u>	Big Timber Cr. Br., Brooklawn-Westville Twp., Camden-Gloucester Counties (Completed 10/21/60)	100
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## MONTHLY DIVISIONAL REPORT

Month of October 1960Division: BridgeBureau: Design SectionSheet #1 of #3

<u>Rt. US1</u> <u>Sec.</u>	<u>Underpass at Woodbridge Avenue:</u> Plans being prepared.
<u>Rt. US1, 9, 46</u> <u>Sec. 1C</u>	<u>Pedestrian Overpass at Washington Terrace:</u> Plans being prepared.
<u>Rt. 3</u> <u>Sec.</u>	<u>Hackensack River Bridge (Redecking):</u> Plans and specifications being prepared.
<u>Rt. 3</u> <u>Sec. 2</u>	<u>Hackensack River Bridge:</u> Plans being prepared by Hardesty & Hanover.
<u>Rt. 4</u> <u>Sec. 4</u>	<u>Pedestrian Bridge at Grand Avenue:</u> Plans being prepared. Held up.
<u>Rt. 13</u> <u>Sec. 1</u>	<u>Lovelandtown Bridge Extension:</u> Plans complete. Awaiting Roadway approach plans.
<u>Rt. 17</u> <u>Sec. 3A&amp;5A</u>	<u>Underpass at East Ridgewood Avenue:</u> Plans and specifications complete. Approved 10/13/60 for submission to BPR for authority to advertise.
<u>Rt. 18</u> <u>Sec.</u>	<u>S.B. Bridge over Raritan River Railroad:</u> Plans being prepared.
<u>Rt. US22</u> <u>Sec.</u>	<u>Liberty Avenue Viaduct Widening:</u> Plans and specifications complete.
<u>Rt. US22</u> <u>Sec.</u>	<u>Underpass at Relocated Mountain Avenue:</u> Plans and specifications complete.
<u>Rt. US22 &amp; 46</u> <u>Secs.</u>	<u>2 Pedestrian Bridges at Rt. US22 Fairway Drive &amp; Rt. US46 Collins Ave.:</u> Plans complete for installing chain link fence on stairways.
<u>Rt. 28</u> <u>Sec. 3A&amp;4A</u>	<u>Bridges over Green Brook &amp; Bound Brook:</u> Bids received October 6, 1960. Awarded 10/18/60 to Franklin Contracting Company, low bidder.
<u>Rt. 35</u> <u>Sec. 2A</u>	<u>Whale Creek Culvert:</u> Bids received 10/20/60. M. J. Stavola, low bidder. Low bid rejected and award to be made to L. Zimmerman & Son, second low bidder.
<u>Rt. 42</u> <u>Sec.</u>	<u>Browning Road Bridge:</u> Plans complete for installing chain link fence on parapet.
<u>Rt. 50</u> <u>Sec.</u>	<u>Cedar Swamp Creek:</u> Plans being prepared.
<u>Rt. 54</u> <u>Sec. 1A, 2A, 3A</u>	<u>Culvert at Station 616+88:</u> Plans complete. Preparing specifications.

October 1900

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## MONTHLY DIVISIONAL REPORT

Month of October, 1960

Division: Bridge

Bureau: Design Section

Sheet #2 of #3Rt. 78:  
Sec. 2GSix Bridges:

Plans and specifications completed by Parsons, Brinckerhoff, Quade &amp; Douglas.

Rt. 78:  
Sec. 414 Bridges:

Plans being prepared by DeLew, Cather &amp; Brill.

Rt. 80:  
Sec. 4Bergen-Passaic Expressway:

Plans being prepared by Fay, Spofford &amp; Thorndike.

Rt. 80:  
Sec. 5Bergen-Passaic Expressway:

Plans being prepared by Parsons, Brinckerhoff, Quade &amp; Douglas.

Rt. 80:  
Sec. 5GHackensack River Bridge (Substructure):

Plans prepared by Parsons, Brinckerhoff, Quade &amp; Douglas.

Approved 10/14/60 for submission to BPR for authority to advertise.

Rt. 95-80  
Sec.Interchange - 6 Structures:

Plans being prepared by Parsons, Brinckerhoff, Quade &amp; Douglas.

Rt. 95  
Sec. 1EBergen-Passaic Expressway - U. P. at Edgewood Road:

Plans prepared by Parsons, Brinckerhoff, Quade &amp; Douglas.

Advertised for bids to be received November 3, 1960.

Rt. 95:  
Sec. 1GBergen-Passaic Expressway - 4 Structures & Alterations to Exist. Struc.:

Plans &amp; specifications completed by Parsons, Brinckerhoff, Quade &amp; Douglas.

Approved 10/17/60 for submission to BPR for authority to advertise.

Rt. 95  
Sec. 1HBergen-Passaic Expressway - Bridge over Northern R.R. of N.J.:

Plans being prepared by Parsons, Brinckerhoff, Quade &amp; Douglas.

Rt. US130  
Sec. 7B&10B3 Culvert Extensions at Coppick Brook and Tanners Run:

Plans &amp; specifications prepared by John Reutter &amp; Associates.

Advertised for bids to be received November 23, 1960.

Rt. US130  
Sec.Underpass at Federal Street:

Plans being prepared.

Rt. US130  
Sec.Rt. 206 NB over Rt. 130 SB and Rt. 206 SB over Rt. 130 NB:

Plans being prepared.

Rt. 168  
Sec.Culvert at Station 112+50, Black Horse Pike:

Plans complete except for quantities.

Rt. 208  
Sec. 2COverpass at N.Y.S.&W.R.R.:

Plans and specifications completed. Advertised for bids to be received November 23, 1960.

Rt. 208  
Sec. 4Six Structures:

Reviewing plans prepared by Goodkind &amp; O'Dea.



## MONTHLY DIVISIONAL REPORT

Month of October 1960

Division: Bridge

Bureau: Design Section

Sheet #3 of #3Rt. 287Sec. 3A6 Structures (East of Stelton Road):

Reviewing plans prepared by Madigan-Hyland.

Rt. 287Sec. 3B9 Structures (East of New Durham Road):

Plans being revised by Madigan-Hyland.

Rt. 287Sec. 45 Structures:

Plans being prepared by Goodkind &amp; O'Dea.

Rt. 287Sec. 4A4 Structures:

Plans being prepared by Madigan-Hyland.

Rt. 295Sec. 2E7 Structures:

Reviewing plans prepared by Sherman, Taylor &amp; Sleeper.

Rt. 295Sec. 2F5 Structures:

Reviewing plans prepared by Sherman, Taylor &amp; Sleeper.

BRIDGES OFF STATE HIGHWAY SYSTEMHUNTERDON COUNTY:Covered Bridge over Wickecheoke Creek, Sergeantsville:

Plans being prepared.

New Bridge over Wickecheoke Creek, Sergeantsville:

Plans being prepared.

L. C. Petersen  
Director & Chief Bridge Engineer





## MONTHLY DIVISIONAL REPORT

Month of October

1960

Division: Maintenance and Operations

Bureau: Maintenance

BRIDGE SECTION

Completed wingwall repairs at Mill Creek on Route 70 in Burlington County and at Misery Brook on Route 70 at Upton; extensive concrete repairs to beams, abutments and piers at P. R. R. Overpass on Route 70 at Upton; repairs to pipe rail and gate at Clifton High School Underpass on Route 46, and repairs to headers at Delancey Street, Lehigh Valley Railroad Overpass, Wilson Avenue, Magazine Street, St. Charles Street, Roanoke Avenue, Central Railroad and Foundry Street in Newark. J. I. Hass Company, Inc. has completed approximately 98% of the work under its contract for painting the remaining portion of the Pulaski Skyway, and it has been necessary to defer completion until spring, owing to construction operations in the area. Hughes Steel Erection Company has completed approximately 20% of the work under its contract for the installation of grid deck on the Shrewsbury River Drawspan at Atlantic Highlands, and Schiavone Construction Company has completed the work under its contract for replacing headers on the Lincoln Tunnel Approach. Department forces completed painting the Salem River Bridge on Route 49 at Salem, North Branch of Newton Creek (Northbound and Southbound) on Route 42 at Camden, and Route 73 Overpass on Route 30 at Berlin.

LANDSCAPE SECTION

Completed landscaping and planting at maintenance headquarters on Route 1 at Sand Hills and on Route 130 at Edgewater Park; removed 34 large trees and trimmed numerous others.

INSPECTION OF COMPLETED CONSTRUCTION PROJECTS

Inspected seven construction projects preliminary to acceptance by the Bureau. Found five (Route 18, Section 4; Route 10, Section 2A; Route 80, Section 2C; Route 17, Section 3, and Route 206, Section 22A) to be in satisfactory condition for acceptance, one (Route 9, Section 2) in satisfactory condition for acceptance but landscaping incomplete, and one (Route 15, Section 1) requiring corrective measures.

CONSTRUCTION AND MAJOR MAINTENANCE PROJECTS

Completed miscellaneous construction projects totaling approximately \$74,200.00, including intersection revisions on Route 46 at Flanders Road and on Route 70 at the Garden State Race Track, drainage improvements at Route 33 and George Dye Road, Route 47 at Rio Grande, Route 1 at Parsonage Road and on the Trenton Freeway, and miscellaneous construction at Route 18 and Spring Valley Road, and institutional construction projects totaling approximately \$29,300.00, including reconstruction of Wood Road in Stokes State Forest, driveway and entrance construction at Paterson State Teachers College, and paving of area adjoining cow barn and milk house at Leesburg State Prison Farm. Completed resurfacing of one section of highway in District 2, two sections in District 3, one section in District 4 and three sections in District 5. On an experimental basis, used 200 tons of Dix-Seal (1/2" thick) for resurfacing concrete and bituminous concrete pavements on Route 206 near Somerville. Resealing with hot-poured rubber-asphalt continuing on Route 46 in Caldwell Township.

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MONTHLY DIVISIONAL REPORT

Month of October 1960

Division: Maintenance and Operations

Bureau: Maintenance

MAINTENANCE BUILDINGS AND STRUCTURES

Started boiler replacement and installation of make-up air heater system for Building 21 at Fernwood; contracts awarded for construction of main office emergency generator building; contract awarded and architectural plans started for new garage and service building on Route 70 in Delaware Township; yard grading and site work completed for construction of new maintenance building Routes 9 and 72 at Manahawkin; grading and landscape work completed and paving work started at new maintenance building on Route 130 at Edgewater Park; erecting two outbuildings in maintenance yard on Route 1 at Sand Hills; started grading work for new maintenance yard on Route 49 in Cumberland; design started for new maintenance building on Route 66 in Ocean Township; construction continued on new maintenance building on Route 130 at Bridgeport; preliminary drawings completed for installation of sprinkler systems in Buildings 17 and 34 at Fernwood; interior rearrangement work continued in maintenance building on Route 69 at Felmington; initiated design of water supplies for maintenance yards at Manahawkin and Bridgeport.

MATERIALS SECTION

Contracts awarded for 21,985 tons of rock salt and 3,970 tons of calcium chloride. Vendors have been directed to make immediate shipments to the various delivery points and receiving reports from the field indicate that deliveries are being made in a satisfactory manner.

PERMITS SECTION

Total of 269 applications processed, including 146 for road openings, 28 for the erection of poles, 76 for entrances and 19 for miscellaneous projects.

SIGNS AND LINES SECTION

Erected new type green directionary signs at Controls on Route 130 at Drexel Avenue in Merchantville, Haddon Avenue in Collingswood, and the Marlton Pike in Pennsauken, and all types of signs at Jughandles on Route 130 at Highland Avenue, Palmyra; Wynnewood Drive, Andover Road, Haines Mill Road and Taylors Lane-New Albany Road, Riverton, and on Route 22 at Bates Street and Ingersol Avenue in Phillipsburg, and at Controls on Route 9-18 at Browntown, Route 17 at Century Road in Paramus, and on Route 38 at Rudderow Avenue in Maple Shade and South Church Street in Moorestown. Erected detour signs for bridge repairs on Route 49 at Quinton. Race track signs erected at various locations for Garden State Race Track and Freehold Raceway were removed and returned to track officials for storage. Erected Service Connection Notices and passed out Notices Prior to Reconstruction in connection with construction projects on Route 35, Section 2A, Seaside Heights to Lavallette; Route 9, Section 12A and 13A, Linwood to Pleasantville; Route 80, Section 1B and 2L, from Route 46 to Landing Road, and Route 95, Section 1E, Teaneck Creek to Route 4. On October 18 James W. McCormick completed work under Contract #2 for painting white traffic lines.





## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Maintenance &amp; Operations

Bureau: of Plant &amp; Equipment

NEW EQUIPMENT

The following new equipment was received during the month: 2, Ingersol-Rand, Model J30A, Chipping Hammers; 1, Ingersol-Rand, Model 22KW, Woodborer; 2, International, Model B612, Utility Body Trucks with 6-man crew cabs, and 360 deg. radial ladders; and 1, Aluminim Products Co. Trailer with Portable Radio Tower.

SNOW SECTION

The following work was accomplished in this Section: 35, trucks readied for Emergency Operations; snow equipment was delivered to 19 contractors' sections; 23 plows, 15 push frames, 40 safety gates and seats and 5 semi-circles were repaired and painted; 10, 7' push frames and 25 axle clamps were fabricated; 20 sets of lift brackets were repaired; 45 hydraulic pumps, 52 hydraulic rams, 12 trip springs and 40, 4U spreaders were checked for winter use; 35 seat adjusting bars were repaired and straightened; cut and drilled 60 brace bars.

GENERAL REPAIR SHOPS

Safety lights, tail lights and driving lights were installed and/or repaired on 53 pieces of equipment. The Carburetor and Ignition Shop completed 113 operations. The Car and Truck Shop completed 36 major and minor operations. The Mower, Carpenter and Tin Shops completed a total of 78 major and minor operations. The Inspection Section was constantly occupied with regular and special assignments including readying equipment for official inspection. The Machine Shop completed 219 major and minor operations.

The following operations were completed on the road and in the shops: Equipment Operations, 52 major and minor repairs; Heavy Equipment Shop, 84 major and minor repairs; Diesel Shop, 40 major and minor repairs.

BUILDING MAINTENANCE SECTION

The Building Maintenance Section completed the following work throughout the State.

Fernwood Service Station	Bldg. # 5,	Painted exterior of building
	" #17,	" rear overhead door
	" # 9,	" overhead door
	" # 7,	" boiler room
	" # 1,	" First Aid room





## MONTHLY DIVISIONAL REPORT

October, 1960

Fernwood Service Station	Bldg. #33,	Replaced boiler controls, stack switch and boiler Pressure-Trol; rebuilt and painted front door.
"	#2 ,	Repaired roof of boiler and radio room.
"	#20,	Repaired hot water heater.
"	#18,	Serviced fire extinguishers.
"	#21,	" " "
Merchantville Garage	"	" "
Vineland Garage	"	" "
Branchville Garage		Installed new water cooler.
Lodi Garage	"	" " "
Hammonton Garage	"	" " "
Bloomsbury, Bridge Maint. Bldg.	"	portable heater.
Branchville Garage		Repaired all Flush-O-Meters.
Dover Garage	"	heater blower unit.
Metuchen, Maintenance Yard	"	heater unit.
Hammonton Garage		Installed light fixtures.
Netcong Garage		Erected additional storage bins, water-proofed front and rear of building.
Lodi Garage		Repaired and cleaned septic tank system; repaired old air vent on oil storage tank.
Toms River Garage		Changed doors in section used by Bureau of Electrical Operations.
Vineland Garage		Installed new sump pump.

CLAIMS

A total of \$ 1,514.56 was collected during the month on insurance claims.





## MONTHLY DIVISIONAL REPORT

Month of October 1960

Division: Personnel

Bureau:

DELAWARE VALLEY UNITED FUND DRIVE

The D.V.U.F. met its quota of \$13,416.00 by an additional donation by the Highway Commissioner of \$375.00. At the last hour approximately 15 employees, some who had not donated, others who had made token donations, either donated or increased their donations to approximately \$245.00. It is assumed that the Department will be awarded a plaque for having met the quota.

RECRUITMENT AND TRAINING

During the month of October, college recruitment for 1961 graduates got underway with visits to City College of New York and Penn State University. Fall visits are made to these schools because they usually have sizeable mid-year graduating classes. Interviews were held with fourteen prospective January 1961 graduates. Nothing definite has materialized as yet although initial interest has been indicated by several of the men interviewed.

The Radchem Instructors' Training Course, referred to in our report for September, was completed during October. About seventy department employees completed this training which consisted of about thirty hours classroom and demonstration work which qualifies them to act as instructors in subsequent training. Arrangements are now underway to setup sessions to train additional men in radiological monitoring using the men who have completed the instructors' training course to direct these sessions.

DISPENSARY

In this section plans have been completed for a visiting nurse program. The purpose of the program is for the Department Nurse to visit the homes of employees who are absent from their work because of personal illness or minor injury. In these visits the nurse will determine the type of illness or injury from which the employee is suffering and help make the individual comfortable. This may very well result in the employee's return to work at an earlier date.

Plans are also underway for this unit to cooperate with the State Department of Health's employee screening program which is scheduled for the first week in December.

Another project which is to begin in December is that of testing the eyes of all Highway Department drivers, Equipment Operators, Mechanics and craftsmen.

SECURITY

During the month of October the Security Section started on a program of inspecting Highway Department installations throughout the State on week-ends when the plants and storage quarters are normally shutdown. A



detailed report of the findings of each installation is prepared and forwarded to the appropriate Bureau head. While some installations have been found to be properly secured, others are in need of attention and this will be followed up through the proper channels.

#### SAFETY

With regard to safety it should be noted that as a result of the regularly scheduled monthly Accident Review Board meetings the number of driver accidents have been greatly reduced. The Safety Inspectors in the field are continually stressing proper driver behavior and, in their roadside conferences with the foremen, crew chiefs, and rank and file personnel, they stress the importance of working in a safe manner and also the proper and adequate use of safety gear and personal protective devices. In the past month Safety Inspectors attended sessions where district supervisors and their foremen held meetings for the purpose of discussing safety in general.







IN REPLY PLEASE REFER TO

Monthly Report  
Division of Planning,  
Research, Soils  
and Tests.

**State of New Jersey**  
**STATE HIGHWAY DEPARTMENT**  
DWIGHT R. G. PALMER, COMMISSIONER  
TRENTON 25

November 3rd  
19 60

Commissioner Dwight R. G. Palmer:

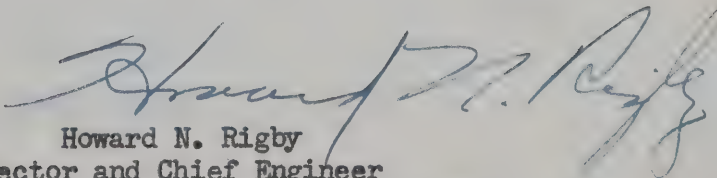
Herewith are submitted the reports of this  
Division for the Month of October 1960.

Planning & Traffic  
Harry A. Hartmann  
Assistant Supervising Engineer

Engineering Research  
William VanBreemen  
Research Engineer

Soils  
Keith Rosser, Jr.,  
Assistant District Engineer

Testing Laboratory  
J. C. Reed  
Supervising Engineer

  
Howard N. Rigby  
Director and Chief Engineer  
Division Planning, Research, Soils & Tests





## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Planning, Research, Soils and Tests

Bureau: Planning and Traffic

HIGHWAY USE SURVEY SECTIONField

The regular programmed machine and manual counts were completed this month.

Office

Because of the diversion of qualified personnel to prepare schedules, etc., for special surveys, the normal function of processing and reviewing field counts have been severely curtailed. We are still unable to start work on the 1959 traffic volume map for the same reason.

Special Surveys

Work was completed on the Inventory of Urban Planning. However, a small amount of field work continues on the Penn-Jersey Transportation Survey.

TRAFFIC DESIGN AND RESEARCH SECTION

During this period the major work items for this section were the review of the cross-street volume estimates for the 104(b)5 study; the review of the volume estimates for the Route 24 Freeway; the continuation of basic analytical research into traffic signal synchronization; and the beginning of a study comparing predicted volumes with those actually encountered after construction. Other items were the field phase of a roadway capacity study; and the review of plans for lane lines on several projects.

HIGHWAY TRAFFIC OPERATIONS SECTION

During this period, the Highway Operations Section has received, investigated and processed requests for the installation, revamping, retiming and operation of traffic signals; has received and processed miscellaneous traffic investigations; and has checked the timing and operations of signalized intersections,

TRAFFIC SAFETY, CONTROL AND REGULATION SECTION

The assignments under way in this section consisted of radar speed meter surveys for speed zone studies, laying out and processing "no parking" regulations; making traffic investigations and parking studies; preparing and processing other traffic regulations and coordinating departmental review of riparian rights.

HIGHWAY PLANNING SURVEY SECTIONRoad Inventory

Field work has been suspended due to lack of personnel. Reassigned personnel to projects having a higher priority.





## MONTHLY DIVISIONAL REPORT

Month of October

19 60

Division: Planning, Research, Soils and Tests  
Bureau: Planning and Traffic

Road Life Studies

Posting and coding of the 1959 contracts is now under way. Forty percent of this work has been completed.

Mapping

The General Highway Series Base Maps are being revised and urban area maps are being prepared by our drafting section. A revised set of Monmouth County base maps and urban areas has been printed. Middlesex County is now ready for review by the Bureau of Public Roads.

Auditing and Accounting

Local Road Finance data is being collected for the 1959 Report. Eighty percent of the field work for this report has been completed.

PENN-JERSEY TRANSPORTATION STUDYField Work

Three field offices are in operation in the New Jersey area. Under the supervision of two District Chiefs, home interviews are under way. The District Chief in the third office is supervising the Truck and Taxi Survey. This Survey is based on samples selected from the files of the Division of Motor Vehicles.

Committee Meetings

Policy-Executive Committee Meeting - October 14, 1960, attended by Mr. Hartmann and Mr. Berberich.

On October 20, 1960, a special meeting was held to review the zoning of the Trenton area. Mr. Hartmann and Mr. Berberich met with Mr. Wickstrom, Traffic Engineer, of the Penn-Jersey Study. This meeting was essential in that detailed traffic analysis for this area will be available for our use, relative to our Route I-295 Study.

LOADOMETER

The data turned in by the field parties has been coded and are now being checked. As of this period, seventy-five percent of the checking has been completed.



Twenty percent of the 1959 contracts is now under way. Twenty percent of this work has been completed.

Twenty Series Base Maps are being revised and urban areas are being drafted section. A revised set of Portsmouth County base maps and been printed. Middlesex County is now ready for review by the Bureau.

Long Finance data is being collected for the 1959 Report. Fifty percent of the work for this report has been completed.

Field offices are in operation in the New Jersey area. Under the supervision of District Chief, some interviews are under way. The District Chief is supervising the Truck and Land Survey. This survey is based on the files of the Division of Motor Vehicles.

A meeting to review the coming of the 1959 report was held with Mr. Wickstrom, District Engineer, and Mr. Harbison. This meeting was essential in that detailed traffic analysis will be available for our use, relative to our Route 1-295 Study.

Seventy-five percent of the drafting has been completed. The field portion has been coded and are now being checked.

## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Planning, Research, Soils and Tests  
Bureau: Planning and Traffic

ADDITIONAL STUDIESNewark Area Study

Three meetings with the consultants were held. Development of the traffic volume study in its relation to proposed freeways within the city was made.

The effect of traffic assignments to various alignments of that part of Route I-78 within city limits was also discussed.

Field work on mass transportation was completed and these data are now being tabulated.

Parking study field work has also been completed. These data have been summarized and a preliminary report submitted for our review.

Northeastern New Jersey Transportation Study

The outline of this study has been initially reviewed and mimeographed copies have been prepared. Submittal of this outline to the Bureau of Public Roads for final approval will be made early in November.

Development of the traffic  
with the consultants were held. Its relation to proposed freeways within the city was made.

various alignments of that part of Route  
discovered.

transportation was completed and these data are now being

Field work has also been completed. These data have been sum-  
marized and submitted for our review.

of this study has been initially reviewed and minor needed copies  
of the material of this study to the Bureau of Public Roads for final  
approval. It is expected that the study will be completed in November.



## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Planning, Research, Soils, and Tests

Bureau: Engineering Research

PAVEMENTS

In collaboration with Soils Bureau, made investigations on (a) Route 27, Rahway, and (b) Route 70, between Routes 41 and 73, in connection with proposed improvements.

Spent considerable time on investigation of rutted condition of bituminous pavement on Route 73, from Route 130 to Palmyra Bridge. Obtained numerous cross-sections and cores. This is in connection with work of special committee established to investigate failures of bituminous pavements on the highway system, in which the Bureau is participating. The Route 73 investigations indicate that, subject to the results of further studies, bituminous-stabilized gravel base courses should not be used in connection with pavements which will be subjected to heavy truck traffic.

Prepared specifications for full-width construction of concrete pavements, for inclusion, as an alternate, in future contracts.

In collaboration with Testing Laboratory, made inspection of sand-asphalt surfacing on Route 4, Englewood, to determine cause of peeling. No conclusions were reached.

Arranged for and observed experimental installation of Fiberglas scrim fabric in bituminous resurfacing on Route 20, Paterson. The purpose of this installation is to determine whether Fiberglas fabric will have an effect on preventing reflection cracking.

Inspected sand-asphalt surfacing on Route 17, North Arlington. This surfacing, which is now about two years old, was found to be in excellent condition and possessing a very high degree of skid resistance.

Arranged for experimental installation of Sonneborne joint-sealing material, of the cold-poured type, on Route 21, Belleville. Installed gauge-plugs in connection therewith. This installation was made on October 18.

Took gauge-plug measurements at skewed contraction joints on Haddon Ave., Collingswood. The measurements showed that these joints are behaving normally.

At Commissioner Palmer's request, made investigation of poor-riding concrete pavement on Garden State Parkway. Further studies are planned.

Inspected joint devices for use on Route 202, Section 8A.

Investigation of the Effect of Traffic on the Condition of Bituminous Concrete Pavement

Investigation with Göttinger, made investigations on (a) Route 27, (b) Route 90, between Routes 11 and 73, in connection with

... time on investigation of rutted condition of bituminous concrete pavement on Route 73, from Route 130 to Palmer's Bridge. Obtained numerous cross-sections and cores. This is in connection with work of special committee on the investigation of the condition of the pavement on the route. The Route 73 investigation, including the Bureau is particularly subject to the results of further studies, dissemination of results. These cores should not be used in connection with pavement design but be subjected to heavy truck traffic.

Investigation for full-width construction of concrete pavements, as an alternative, in future construction.

Investigation with testing laboratory, made investigation of sand-asphalt on Route 11, following, to determine cause of rutting. No conclusions.

Investigation for and observed experimental installation of fiberglass fabric fabric on Route 20, between Routes 11 and 73. The purpose of this investigation is to determine whether fiberglass fabric will have an effect on preventing rutting.

Investigation sand-asphalt surfacing on Route 11, North Arlington. This surfacing is now about two years old, was found to be in excellent condition and possessing a very high degree of skid resistance.

Investigation of the condition of the concrete pavement on Route 11, between Routes 11 and 73. This investigation was made on October 10.

Look gauge-dug measurements at skewed contraction joints on Haddon Ave., Collierville. The measurements showed that these joints are behaving normally.

Investigation of the condition of the concrete pavement on Route 11, between Routes 11 and 73. This investigation was made on October 10.

Investigation joint devices for use on Route 202, Section 8A.



## BRIDGES

Took measurements on Shark River Bridge, Route 35, and Shark River Bridge, Route 71, Belmar. Also took measurements on eight new bridges on Routes 22 and 78. Precise levels were taken at certain of these bridges, of the prestressed type. This represents approximately half of the total to be placed.

At request of Bridge Division, made investigation to determine cause of rocker bearings being seriously out-of-plumb at south end of Edison Bridge. It was found that the span adjacent to the south abutment had undergone a movement of about three inches to the north, and that this movement was caused basically by the progressive build-up of solid material, such as sand and gravel, in the joint at the south abutment. As a result of this movement, the bolts at the fixed bearings at the north end of the southerly span have been sheared off. In addition, this movement has been transmitted to other portions of the structure. In conjunction with this investigation, measuring points were installed to determine the effect of the corrective measures planned.

## MISCELLANEOUS

Representative of Bureau spent one week with Trainees assigned to the Bureau.

Inspected and photographed experimental repairs made about two years ago with "Albitol", on Passaic River Bridge, Route 1. It was found that the repairs made with this material were no better, and in fact seemed poorer, than the repairs made with ordinary concrete.



1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Two measurements on Shark River Bridge, Route 35, and Shark River Bridge, Route 17, below. Also took measurements on eight new bridges on Routes 23 and 25. These levels were taken at points of least bridge, at the roadway and pier.

As a result of Police Division, made investigation to determine cause of  
other persons being seriously out-of-control at night and at Police Division.  
It was found that the men subject to the investigation had been in a  
movement of the men subject to the investigation, and that the movement was  
caused entirely by the movement of the men subject to the investigation, and as  
such was caused, in the light of the facts of the case. As a result of this  
movement, the facts of the case showed that the men subject to the investigation  
had been arrested all. In addition, the movement had been arrested  
by other persons at the same time. In connection with this investigation,  
the following points were noted as desirable for the effect of the investigation  
to be made.

## 5041711

and of long-term resident of the area and these seemed to be sufficient

During the preceding week I had obtained the following information:

## MONTHLY DIVISIONAL REPORT

Month of October 1960

Division: Planning, Research, Soils and Tests

Bureau: Soils and Subdrainage

CONSTRUCTION

## Route FAI 295 Section 1C

It is our understanding that a total of 141,158 cubic yards of acceptable Zone II material has been pumped into the wet excavation area on Route 295 Section 1C to date. This represents approximately 42% of the total to be placed in this area. Sixty-six thousand yards have been placed since our last report.

The contractor, Brann and Stuart, tentatively expects to continue using the dredge "Queen" pumping from the "upland" Schrufer Pit for about one more week. This will completely deplete the present source, provided the current depth of excavation in the pit is not exceeded. It is planned to have the remainder of the material trucked in from a different upland borrow pit.

## Route FAI 95 Section 1A

A conference was held on October 10 between the Construction Division, the Soils Bureau and representatives of the contractor, George M. Brewster and Co., in order to clarify details of plans and specifications for this project.

It was agreed that an error in notation on the plans, regarding the lengths of sand drains, would produce an end result contrary to the intent of the design. The note stipulated that in areas requiring 7' x 8' staggered spacing of sand drains and where the depth of compressible material exceeds 60', alternate rows be driven to 60' only and that the remainder be driven to firm bottom. It was intended that this should occur only between Stations 1058 and 1080 where test data showed the deeper layers to have greater permeability than those of the upper portion.

The designer of the project, Parsons, Brinckerhoff, Quade and Douglass, estimate that the quantity of the item for vertical sand drains between 60' and 90' will have to be increased by 228,000 lineal feet. It has therefore been recommended by this bureau that the implementation of a change of plan in this amount be initiated by the Construction Division.

The contractor has also requested permission to place both Zone I sand blanket material and the Zone II cover material hydraulically in one lift. Since both items have the same bid price and hydraulic placement establishes flat slopes which would not create any problems in so far as stability is concerned, we recommended that permission be granted. It was stipulated, however, that the gradation of all the material meet the requirements for Zone I. Since immediate settlement will occur, this was felt necessary, due to the difficulty of field control of the Zone II layer which is to be placed to an elevation rather than in a thickness.

It is understood that a total of 11,115 cubic yards of acceptable material has been found into the wet excavation area on Route 295. It is expected that 10,000 cubic yards have been placed since our last report.

Mr. Brown, Brown and Stuart, tentatively expects to continue using the material from the "upland" borrow pit for about one more week. It is expected that the present source, provided the current depth of the pit is not exceeded. It is planned to have the remainder of the material trucked in from a different upland borrow pit.

Section 1A

A conference was held on October 10 between the Construction Division, the District Engineer, and the District Engineer. The purpose of the conference was to clarify details of plans and specifications for this project.

It was agreed that an error in notation on the plans, regarding the length of the embankment, would produce an end result contrary to the intent of the design. It was also noted that in areas requiring 7' x 8' stone wall spacing of sand where the depth of compacted material exceeds 60', alternate rows of 60' only and that the remainder be driven to firm bottom. It was noted that this should occur only between Stations 1058 and 1080 where sand was placed. The District Engineer to have written per specification from those of the

designer of the project, Yarns, Brinkman, Wade and Douglas, that the quantity of the item for vertical sand drains between 60' and 100' will have to be increased by 25,000 linear feet. It has therefore been recommended by this Bureau that the recommendation of a change of plan in this amount be initiated by the Construction Division.

The contractor has also requested permission to place both Zone I and Zone II cover material hydraulically in one lift. That slopes which would not create any problems in so far as stability is concerned, we recommended that permission be granted. It was stipulated, however, that the gradation of all the material meet the requirements for Zone I, that immediate settlement will occur, this was left necessary, due to the possibility of field control of the Zone II layer which is to be placed to the maximum rather than in a minimum.



## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Planning, Research, Soils & Tests  
Bureau: Testing and Materials

NEW MATERIALS

An all-weather protective coating received from the Bridge Division will be tested under Laboratory Investigation 1960-9.

MATERIALS' DEVELOPMENT

Further tests for flexural strength and deflection performed on Bituminized Fiber Pipe of 6 and 8-inch diameters, plain and perforated. Marshall tests conducted on materials for use on several projects. Recovery of Bitumen from pavement samples from two jobs. Specific Gravity determined and voids calculations made on 27 cores from Route S 41 (1927) Sec. 1-D.

PERFORMANCE TESTING AND INSPECTION

The Fourth Monthly Evaluation of Experimental Traffic Paint Test Lines (1960 Series) was made on Route U.S. 130, east of Robbinsville. The Third Monthly Evaluation was made to determine road performance of New Jersey Type III White Traffic Paint applied at various locations. Re-examinations made of many gravel sources and crushed stone suppliers due to the increase in quality control testing. Department representatives traveled to Ithaca and Retsof, N.Y., to confer with officials of rock salt companies and inspect mines. Trips also made to South River and Elizabeth for plant and storage pile inspections of rock salt. Samples were submitted for analysis. Water retention tests performed to compare clear with pigmented curing materials on non-air and air-entrained concrete. Approval given to a Concrete Sand plant and a Stone quarry was classified as Dolomite. Interviewed plant representatives regarding low quality of their gravel product, also quarry owner in reference to the classification change in stone. Asphalt Plant inspection made to determine its compliance with specifications. Plastic Mats placed in bituminous concrete on Route 20. Four projects inspected prior to the release of Maintenance Bonds. Samples of Shoulder cut from Route 78 Section 2-E. Approval for use of Asphalt Plant withdrawn until such corrective measures are taken to insure continued compliance with specifications.

MEETINGS

The Director of Engineering of the National Ready Mixed Concrete Association, Washington, D.C., visited with Laboratory personnel for the purpose of discussing transit mix specifications.

PERSONNEL

Four Assistant Engineers, Highway (Trainees) were given Laboratory instructional course.

SAMPLES RECEIVED

During this month, 2734 samples were received for test as compared with 2861 samples received for the corresponding month of 1959.

Testing and Materials Research, Soils & Tests

The weather protective coating received from the Bridge Division will be

TESTING AND MATERIALS

Tests for flexural strength and deflection performed on bituminized concrete of 6 and 8-inch diameters, plain and perforated. Marshall tests on materials for use on several projects. Recovery of bitumen from samples from two jobs. Specific gravity determined and voids calculated on 2Y cores from Route 341 (1937) Sec. 1-3.

ON TESTING AND INSPECTION

Inspection was made on Route U.S. 130, east of Knoxville. The third monthly examination was made to determine road performance of New Jersey Type III white Portland Cement applied at various locations. 15 examinations made of many miles of road. Sources and crushed stone suppliers due to the increase in quality control testing. Department representatives traveled to Illinois and Detroit, N.Y., to confer with officials of rock salt companies and inspect mines. Types also used to South River and Elizabeth for plant and storage pile inspections of concrete. Samples were submitted for analysis. Water retention tests performed to compare clear with pigmented curing materials on non-air and air-cured concrete. Approval given to a concrete sand plant and a stone quarry established as a source. Interviewed plant representatives regarding low quality of their gravel product, also quarry owner in reference to the classification change in stone. Asphalt plant inspection made to determine its compliance with specifications. Plastic Mats placed in bituminous concrete on four projects inspected prior to the release of maintenance bonds. Samples of shoulder cut from Route 73 Section 2-4. Approval for use of plant withdrawn until such corrective measures are taken to insure compliance with specifications.

Director of Engineering of the National Ready Mixed Concrete Association, Washington, D.C., visited with Laboratory personnel for the purpose of discussing transit mix specifications.

RECEIVED

During this month, 2784 samples were received for test as compared with 2801 received for the corresponding month of 1936.

## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Right of Way Acquisitions &amp; Titles

Bureau: Legal

## I. STATISTICAL

Papers drawn in October

Condemnation

Complaints - 15  
Orders to Show Cause - 15  
Notices for Possession - 5  
Orders for Possession - 4  
Order Allowing Plaintiff to File Amendment  
To Complaint - 1  
Amendment to Complaint - 1  
Orders for Judgment and Appointing Commissioners - 9  
Order Substituting Commissioner - 1  
Orders Extending Time For Filing Report of  
Commissioners - 30  
Reports of Commissioners - 5  
Orders Granting Compensation to Commissioners - 14  
Notices of Appeal - 5  
Orders on Appeal - 13  
Amended Order On Appeal - 1  
Order of Dismissal - 1  
Petitions to Pay Condemnation Award Into Court - 2  
Orders to Pay Condemnation Award Into Court - 2

Miscellaneous

Dismissal as to Defendant, State of New Jersey - 1  
Order to Dismiss Complaint - 1

Number of Deeds Approved - 71  
Number of Titles Approved - 75

Court Appearances - 51

## II. GENERAL ACTIVITIES

Court appearances appointment of condemnation commissioners;  
various motions; hearings before condemnation commissioners;  
trials; preparation for court appearances; preparing  
legal briefs and memoranda; conferences in re same;  
conferences with various Deputy Attorneys General.





III. INTERDEPARTMENTAL SERVICES

Conferences with department heads with reference to various problems; opinion memoranda for Commissioner Palmer, department heads and employees; approving, disapproving and re-writing various legal papers and documents; recommendations for condemnation or settlement; trial preparation; brief writing and similar services.

IV. MISCELLANEOUS

Attending bidding; seeing that all necessary papers are prepared; dictating all court matters; numerous other matters which arise during the course of the month.

During this month the Department instituted the practice of seeking court orders for the possession of property prior to entry by the contractor. In all instances the Judge allowed the owner at least six weeks' time in which to vacate.





## MONTHLY DIVISIONAL REPORT

Month of October 19 60.

Division: Right of Way Acquisition &amp; Titles

Bureau: Title

TITLE SEARCHING

104 searches and 101 continuation searches were completed throughout the State.

TITLE EXAMINING

74 title searches were examined and Reports of Title prepared.

LEGAL INSTRUMENTS

85 Legal Instruments were prepared and forwarded to the owners or their attorneys for execution.

CERTIFICATE OF TITLE

75 Certificates of Title were prepared and submitted to the Department of Law for approval.

SETTLEMENTS

79 final settlements were made with property owners.

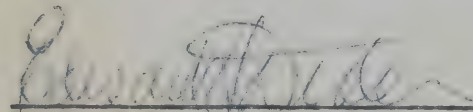
CONDEMNATIONS

20 Title Memorandums were prepared and forwarded to the Department of Law. 98 condemnation notices were served.

TITLE COMPANIES

25 deeds were delivered through the offices of title companies.

24 checks were delivered to title companies with instructions for settlement with the owners.

  
Edward H. Drake  
Title Officer



## MONTHLY DIVISIONAL REPORT

Month of October 1960

Division: Roads, Design and Construction

Bureau: Federal Aid Secondary

PLANS

Checking plans for the following projects:

River Street, Bergen County, S200(2)

Arena Drive, Mercer County, S130(6)

PREPARING SPECIFICATIONS

River Street, Bergen County, S200(2)

Arena Drive, Mercer County, S130(6)

PROJECTS ADVERTISED

None

BIDS RECEIVED

Washington Valley Road, Somerset County, S116(3)

Roosevelt Boulevard Bridge, Cape May County, S215(2)

CONTRACTS AWARDED

Palisade Avenue Bridge, Hudson County, S124(2)

Washington Valley Road, Somerset County, S116(3)

PROJECTS ACCEPTED AS COMPLETE

None

MISCELLANEOUS

Reviewing plans for proposed construction as requested by various Counties, checking As Built Plans for Final Payments, preparing Final Estimates, etc., on completed projects. Also preparing Final Vouchers on completed projects, making Final Inspections, etc.. Received Final Payment from Federal Government on F. A. S. Projects. Proposed addition to Federal Aid Secondary System in Morris County submitted to the Bureau of Public Roads for their consideration.





## MONTHLY DIVISIONAL REPORT

Month of OCTOBER 19 60

Division: Roads, Design &amp; Construction

Bureau: Location &amp; Design

FEDERAL AID

Programming of U-102(16) Ridgewood Avenue Interchange;  
TU-204(2) Lake Valley Road-Morris Twp.; I-287-1(18) Interchange  
at New Durham Rd. north to Stelton Rd.; I-287-1(19) from and  
including Whitman Ave north to New Durham Rd.; I-287-1(20)  
from and including Rt. US-1 north to Whitman Ave.

OFFICE ENGINEER

Processing Plans and Specifications for Route 7 (1953) Section 1A, from Passaic River to Route 17; Route 7 (1953) Section 2A, Second River to Centre Street; Route U.S. 22 (1953) Section 10A, Mountain Ave. Underpass; Rt. U.S. 22 (1953) Section 13B, Meisal Ave. to Michigan Ave.; Route U.S. 22 Section 14B, Harding Terrace to Bloy St1; Route S4 (1953) Sections 1A, 2A and 3A from P.R.S.L. RR to Route U.S. 40; Route 80 Section 5G; Hackensack River Bridge, substructure; Route 95, Section 1G, Route 4 to Fletcher Ave.; Routes US 130 and US 206 (1953) Section 1A, Interchange at Bordentown; Route 208 Section 2B from Colonial Road to Ramapo Valley Road; Route 287, Section 3A from Stelton Road to New Durham Road; Glassboro State Teachers College, parking area; Montclair State Teachers College, contract 3, parking area; Rutgers University, parking area and service area.

INTERSTATE

I-80 Section 1, alignment studies complete, report submitted;  
I-80-2L Landing to Netcong, bids to be received Nov. 1st;  
I-80-3 Wayne to Denville, final design of project underway,  
interchanges under discussion with Bur. Public Roads; I-80-4  
Wayne to Garden State Parkway, final design of I-80-Rt.23  
underway, completion of two sets of plans, one at Rt. 20 Inter-  
change, one in East Paterson underway for 1960-61 program;  
I-80-5 Garden State Parkway to I-95, contract at N.Y.S.W.RR &  
Green St. ready for advertising, also substructure contract  
of Hackensack River bridge. Interchange at River Rd.-Hudson St.  
Hackensack, still under discussion; I-95-1 - Rt. I-80 to Fort Lee  
two contracts ready for advertising, one in Teaneck-Leonia, the  
other at Fort Lee Plaza; I-78-3 Berkeley Heights to Newark  
Airport, additional line study through Union Twp. underway as  
result of hearing. Design in Springfield area continuing;  
I-287 Boonton - all three contract plans progressing, two near  
completion. Interchange with I-80 under discussion with Bur.  
Public Roads. Early decision on this phase needed.





MISCELLANEOUS

Route 3, Section 2 - additional studies made and submitted. River clearance still undecided. R/W plans in Secaucus underway; Route 208, Section 2D-Oakland - revision and addition to plans 80% complete. To advertise about Dec. 1st; Route US 22 - No. Plainfield to Bound Brook - plans for jughandles and resurfacing underway (1960-61); Route US 22 - Newark to Union - plans for resurfacing underway (1960-61); Rt. 27 - Linden to Rahway - contract plans progressing rapidly (1960-61).



## MONTHLY DIVISIONAL REPORT

Month of October 19 60

Division: Design &amp; Construction

Bureau: Road Construction

ROUTE	SECTION	LOCATION	PERCENTAGE COMPLETED	
			Oct. 1st.	Nov. 1st. 60
U.S. 1	6-A	Route U.S. 130 to College Farm Road	81%	90%
1 & 9	1 & 2	Ramp Revisions, Grading, Paving & Bridges, Newark	88%	89%
1 & 9	1B & 16A	Overpeck Creek to Jones Road, Barrier Curb	39%	64%
1 & 9	6A & 7A	Tonnele Ave. Traffic Circle to Fairview Avenue	52%	63%
1 & 9	8A	From Wilt Avenue to DeGroot Avenue, Drainage	68%	72%
1	8A)			
9	4A & 25A)	Intersection Revision at Ernston Rd. & Conn. to Route 34	95%	95%
4	3-A	Lafayette Avenue to 1000' South of Kenwood St. Barrier Curb	92%	98%
10	3-A	Newark & Mt. Pleasant Turnpike to Route 53	91%	95%
10	4-A	Livingston Traffic Circle to Whippany Troy Hills Road	84%	90%
12	1-A	Baptistown Pavement Reconstruction	74%	94%
17	5B & 6A	Center Island Closing & Channelization, Borough of Ramsey		2%
18	2	Clifton Avenue to New Jersey Turnpike	89%	92%
18	5	From 800' E. Spring Valley Road to Route U.S. 9	85%	92%
20	4-A	South Drive to Broadway, Paving & Bridges	74%	70%
21	1-B	Roosevelt Avenue to Highfield Lane	94%	94%
21	1-C	From Highfield Lane to So. Parkway, Grading, Paving & Br.	62%	66%
U.S. 22	1-A	Intersection Revision at Roseberry St. Phillipsburg	60%	87%
22	13A & 14A	Pedestrian Overpasses	87%	87%
23	1A & 2A	Claremont Avenue to Route U.S. 46	4%	24%
28	1A & 7A	Colidge Place to Bridge St. R.R. Bridge Reconstruction	39%	28%
29	15-A)	Wilburth Road to Scudders Falls		
129	1-A )	Delaware River Bridge to Scotch Road	64%	71%
25	6A & 4A	From 1500' No. of Eatontown Traffic Circle, Widening	35%	64%
25	12-B	From Smith St. to New Jersey Turnpike, Widening & Resurf.	85%	92%
44	2-A	From County Road 540 to Route 48, Dualization and Bridge		0.67%
69	5-A	From Back Brook to Rocktown, Pavement Widening & Resurf.	11%	17%
73	2-A	So. Branch Pennsauken Creek to Route 38	58%	71%
80	2-E	Route U.S. 46 to Landing St. Bridge & Incidental Paving	83%	88%
80	2-H	Landing Road Interchange to Howard Blvd., Grading & Paving	35%	39%
80	2-J	U.S. 46 to Route 53, Grading, Paving and Bridges		6%
80	4-A	Bridge over Relocated Route 20	97%	98%
80-A	1 &)	U.S. 130 to Browning Road & Route 80-S Interchange to		
295	2-G)	Copley Road	83%	91%
82	1-A	L.V.R.R. Bridge & Pavement Reconstruction	63%	66%
95	1-A	Teaneck Creek to Northern R.R. of New Jersey	0.2%	2%
95	1-C	From Teaneck R.R. to Teaneck Creek	3.9%	19%
95	1-D	Overpass Bridges at Broad Avenue and Grand Avenue	12%	23%
130	7A & 8B	From Interchange at Route 73 Township of Pennsauken	44%	53%
130	8A & 9B	From Coopertown Road to Cinnaminson Avenue	90%	93%
169	1	Constable Hook to Point Breeze	70%	75%
202	7A Etc.	From Flemington Circle to So. Br. Raritan River, Planting	8%	25%
202	8-A	Dualization So. Br. Raritan River to Beechwood Drive	13%	20%
208	2-A Etc.	Interchanges Borough of Franklin Lakes	68%	75%
208	3-A	Maple Avenue to Goffle Road, Pedestrian Overpass	90%	96%
287	1-B	Interchange to Viaduct at Lehigh Valley Railroad	62%	73%
287	1C & 2B	Weston Canal Road to River Road Interchange	84%	87%
287	2-C	East of River Road to Stelton Road, Grading, Paving & Br.		0.18%
295	1-C	Browning Lane to Broadway, Grading, Paving & Bridges	72%	74%
295	1-D	Rt. 47 to Rt. U.S. 130, Grading, Paving and Bridges	78%	81%
322	3-A	From 8th Street to Weymouth Road, Dualization		1.67%





## MONTHLY DIVISIONAL REPORT

Month of October  
~~November~~

19 60

Division: Design &amp; Construction

Bureau: Road Construction

<u>ROUTE</u>	<u>SECTION</u>	<u>LOCATION</u>	<u>PERCENTAGE COMPLETED</u>	
			<u>Oct. 1st.</u>	<u>Nov. 1st. 60</u>
440	2-A	Glendanny Ave., to Danforth Avenue, Pavement Widening N. J. State Teachers College at Union, Contract #2	1.7% 94%	10% 94%

CONTRACTS AWARDED IN OCTOBER

Route 78, Section 2-J From C. R.R. of New Jersey to Mulhockaway Creek, Paving and incidental work. Awarded to Yonkers Contracting Company, Inc., on October 11, 1960.

Route 28, Sections 3A & 4A, From East Street to Lincoln Avenue. Awarded to Franklin Contracting Company on October 18, 1960.

CONTRACT ACCEPTED IN OCTOBER

Route 78, Section 2-E - Central Railroad of New Jersey to Mulhoc kaway Creek. Semi-final acceptance of road items only on October 20, 1960.

GENERAL NOTES

As of November 1, 1960, there were 55 projects underway, valued at \$97,165,000. and being inspected by 182 men.

*E. Y. Corson*

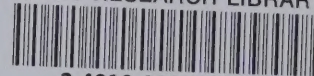

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E. Y. Corson  
Supervising Engineer, Bureau of Road Construction





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